

Title (en)

SYSTEMS AND METHODS FOR ENABLING TWO-WAY COMMUNICATION BETWEEN ONE OR MORE EXERCISE DEVICES AND COMPUTER DEVICES AND FOR ENABLING USERS OF THE ONE OR MORE EXERCISE DEVICES TO COMPETITIVELY EXERCISE

Title (de)

SYSTEME UND VERFAHREN ZUR ERMÖGLICHUNG VON BIDIREKTIONALER KOMMUNIKATION ZWISCHEN EINEM ODER MEHR LEIBESÜBUNGSGERÄTEN UND COMPUTERVORRICHTUNGEN, DIE ES BENUTZERN DES EINEN ODER MEHR LEIBESÜBUNGSGERÄTEN ERMÖGLICHEN, UM DIE WETTE ZU TRAINIEREN

Title (fr)

SYSTEMES ET PROCEDES PERMETTANT D'ETABLIR DES COMMUNICATIONS BIDIRECTIONNELLES ENTRE UN OU PLUSIEURS DISPOSITIFS D'EXERCICE ET DES DISPOSITIFS INFORMATIQUES ET PERMETTANT A DES UTILISATEURS DU OU DES DISPOSITIFS D'EXERCICE DE S'ENTRAINER DE MANIERE COMPETITIVE

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Abstract (en)

[origin: US2002045519A1] Systems and methods for providing two-way communication between an exercise device and a computer device. A computer device and an exercise device employ different protocol formats and communicate through a translator device, which includes a microcontroller specifically designed to translate data or signals deliverable by different communication protocols. The exercise device, the computer device, or a user at either the exercise or computer device may initiate the communication. The enabled communication allows for such features as the performance of an automatic diagnostic analysis on the exercise device, the programming of internal parameters of the exercise device upon identifying specific components, the monitoring of any measurable parameter of the user, the providing of instructional direction and/or encouragement relating to a particular exercise routine, the controlling of the amount of resistance experienced by the user of the exercise device, and other interactions facilitated by the translator device.

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